

Date: Tue, 18 May 93 04:30:03 PDT  
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>  
Errors-To: Packet-Radio-Errors@UCSD.Edu  
Reply-To: Packet-Radio@UCSD.Edu  
Precedence: Bulk  
Subject: Packet-Radio Digest V93 #138  
To: packet-radio

Packet-Radio Digest                      Tue, 18 May 93                      Volume 93 : Issue 138

Today's Topics:

                    9k6 with yaesu 712RH  
                    AA4RE BBS -- New Beta Test Version  
                    Best 9600 baud packet?  
                    HP48 Morse Tutor??  
IC 229H - IF CHIP TK10487M and 9.6 Kb Packet  
If you didn't get a copy of the CFV...  
internet gateway for packet (3 msgs)  
                    KA9Q NOS for AT&T 3b2 400  
                    Mac Packet Modem info...  
                    PCelm and UUCP  
The Poop on BNC Feedthru Adapters (2 msgs)  
Using a Kam on a Mac? (2 msgs)

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>  
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 18 May 93 07:18:53 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 9k6 with yaesu 712RH  
To: packet-radio@ucsd.edu

Does anyone have any mods and /or tips to get a Yaesu 712 RH  
going on 9600 Baud. A friend of mine got himself a mfj1278 with  
the 9k6 upgrade and he would like to use it with this radio if  
possible.

Any help would be greatly appreciated.

Cheers John, vk4cjo Brisbane.

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Date: Mon, 17 May 93 18:30:51 PDT  
From: almaden.ibm.com@uunet.uu.net  
Subject: AA4RE BBS -- New Beta Test Version  
To: packet-radio@ucsd.edu

Beta version 2.1H of the AA4RE packet BBS is now available. This version includes CLOVER support. In addition, full port control of the BPQ switch system is now available. All incoming connects are identified by port. You can now run an HF port and VHF port on a BPQ switch and filter connects on the HF port if you so desire.

The program is in 5 files:

- BB21H.TXT -- Information on the other 4 files
- BB21HC.ZIP -- Common code
- BB21HN.ZIP -- "Real" mode code. Runs on 8088 or higher PCs (640K)
- BB21HP.ZIP -- "Protected" mode code. Runs on 286 or higher PCs with  
2MB or more of extended memory
- BB21HL.ZIP -- Libraries for BB21HP.ZIP

Available via phone modem thru

WA6RDH BBS

916-678-1535 -- 300-9600 N81 V.32/V42/V42.BIS/MNP5  
All downloads of files starting with "BB" are free.

WB3FFV BBS

410-661-2475 -- 1200-14400 N81 V.32/V.32BIS/V.42/V.42BIS/MNP5/HST  
410-661-2598 -- 1200-23000 N81 V.32/V.32BIS/V.42/V.42BIS/MNP5/Turbo-PEP  
410-661-2648 -- 1200/2400/18000 N81 V42.bis/MNP5/PEP  
User Login: bbs

The software is also loaded onto the following servers accessible thru the Internet.

- ucsd.edu
- kilroy.jpl.nasa.gov

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Date: 17 May 93 23:43:34 GMT  
From: olivea!isc-br!tau-ceti!comtch!iea!FredGate@ames.arpa  
Subject: Best 9600 baud packet?  
To: packet-radio@ucsd.edu

j> From: jeffj@cbnewsm.cb.att.com (jeffrey.n.jones)  
j> Newsgroups: rec.radio.amateur.packet

j> Some of my fellow hams are putting up some 9600 baud radio links for  
j> TCP/IP using 440. I would very much like to join in on the fun and I  
j> was hoping some of the packet mavens here could tell me what the best  
j> 9600 baud packet modems are for the money. Also I would like to access  
j> some of the microsats in the future also. Thanks for any and all help!

At Dayton I was looking around and was pretty impressed with the DRSI 9600  
stand alone TNC.

Ws7i

\* Origin: Think Tank II BBS \* Spokane, Washington USA (1:346/8)

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Date: Mon, 17 May 1993 23:38:27 GMT  
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!news.cso.uiuc.edu!  
ux4.cso.uiuc.edu!ahall@network.UCSD.EDU  
Subject: HP48 Morse Tutor??  
To: packet-radio@ucsd.edu

Any one who might know,

I was wondering if anyone has seen a morse code tutor that works  
on the HP48 - haven't really checked out the big HP news groups  
yet- I will soon- I'll post my findings if I have any luck.  
Even a very simple program would be great- I don't really want to  
spend the time programming one for myself-

Thanks ahead of time!!-

Allen Hall n9rzc email to:ahall@ux4.cso.uiuc.edu

-----  
Date: Mon, 17 May 1993 13:31:04 GMT  
From: munnari.oz.au!sgiblab!darwin.sura.net!howland.reston.ans.net!wupost!  
cs.utexas.edu!utnut!torn!csd.unb.ca!UPEI.CA!seeler@network.UCSD.EDU  
Subject: IC 229H - IF CHIP TK10487M and 9.6 Kb Packet  
To: packet-radio@ucsd.edu

I would like to thank all those who provided suggestions with regards to the  
use of the IC229H for 9.6 Bb packet. I have had some excellent suggestions  
and while I have yet to try them out personally \_ I would forward the info

to those who would like to evaluate/try it.

With regards to FM detection in the IC229H - the radio uses the TK10487M chip from Toko America. Their eastern office was kind enough to forward to me the pin out information for this chip. The chip functions as a Narrow Band FM IF System for cordless phones and Amateur Radio Receivers. It contains a mixer, oscillator, IF AMP, Filter Amp, Squelch related amp and the FM Detector ( QUAD DET ).

The PIN OUT INFORMATION for this chip ( TK10487M ) is as follows:

PIN #	DESCRIPTION
-------	-------------

1	Oscillator (B)
2	Oscillator (E)
3	No Connection
4	MIXER OUT
5	Vcc
6	IF INPUT
7	Decoupling ( IF AMP )
8	Decoupling ( IF AMP )
9	Phase Shift
10	QUAD COIL
11	AF OUTPUT !!!!
12	S Meter Output
13	Filter Amp Input
14	Filter AMP Output
15	Squelch Input
16	Scan Control
17	Scan Control
18	Hysteresis Control
19	GRND
20	RE Input

I hope that this information may be of value to those who have FM rigs which use this chip in the IF and detector stages. This information was taken off the pin assignment/block diagram of the chip as supplied by TOKO AMERICA. I have yet to try it out in my IC229H - as always - mods are at your own risk.

73 for now David Seeler VY2DCS

Internet: Seeler@UPEI.CA

AX25: VY2DCS@VE1AIC.PE.CAN.NA

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Date: 17 May 93 05:25:15 GMT  
From: amdahl!amdahl!ikluft@uunet.uu.net  
Subject: If you didn't get a copy of the CFV...  
To: packet-radio@ucsd.edu

I mentioned a couple days ago that I made a mail server for the CFV since a number of people asked me for copies. I sent out a bunch of them manually and then set up this server. Well... it worked fine when I tested it. :-( There was a setup error that resulted in this output for everyone but me:

```
>--copy of CFV-----
>[the mailer script was not able to open this file]
>-----
```

Needless to say, that isn't even an abridged version of it! I've fixed the error. (The directory permissions were accidentally set so it would only work if \*I\* sent mail to it. I hate it when that happens!)

It will work now. If you want a copy of the CFV, as posted by the moderator of news.announce.newgroups, send mail to

cfv-request@uts.amdahl.com

The script won't read your mail. It will just look at the reply address and send you a complete copy of the CFV.

My sincere apologies to anyone who sent requests and got the error back!

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Ian Kluft KD6EUI PP-ASEL Amdahl Corporation, Open Systems Development  
ikluft@uts.amdahl.com Santa Clara, CA  
[disclaimer: any opinions expressed are mine only... not those of my employer]

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Date: 15 May 93 18:14:32 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: internet gateway for packet  
To: packet-radio@ucsd.edu

Is there an internet address that sends and receives packet radio e-mail? Can I send a packet message that will be forwarded to a internet e-mail address? Please let me know.

```
internet  RICHARDS@LAGUNA.EPCC.EDU
ax.25     KF5WY@K5WPH.NM.USA.NA
```

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Date: Mon, 17 May 1993 19:01:39 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!utnut!torn!nott!  
cunews!freenet.carleton.ca!Freenet.carleton.ca!aa872@network.UCSD.EDU  
Subject: internet gateway for packet  
To: packet-radio@ucsd.edu

In a previous article, RICHARDS@LAGUNA.EPCC.EDU () says:

>Is there an internet address that sends and receives packet radio  
>e-mail? Can I send a packet message that will be forwarded to a  
>internet e-mail address? Please let me know.  
>internet RICHARDS@LAGUNA.EPCC.EDU  
>ax.25 KF5WY@K5WPH.NM.USA.NA  
>

Me too if you find the answer to this one.

Cheers.

aa872

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"Trials! Now there's an idea."

All opinions expressed, ARE!

Tom aa872

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Date: 18 May 93 08:05:37 GMT  
From: mcsun!julienas!sophia!tlaloc.inria.fr!djossou@uunet.uu.net  
Subject: internet gateway for packet  
To: packet-radio@ucsd.edu

In article <C76q6s.FxH@freenet.carleton.ca>, aa872@Freenet.carleton.ca (Thomas Hall) writes:

|>  
|> In a previous article, RICHARDS@LAGUNA.EPCC.EDU () says:  
|>  
|> >Is there an internet address that sends and receives packet radio  
|> >e-mail? Can I send a packet message that will be forwarded to a  
|> >internet e-mail address? Please let me know.  
|> >internet RICHARDS@LAGUNA.EPCC.EDU  
|> >ax.25 KF5WY@K5WPH.NM.USA.NA  
|> >  
|>  
|> Me too if you find the answer to this one.  
|>  
|> Cheers.  
|> aa872

This is going to be in FAQ list.  
Coco D.

From: david@stat.com (David Dodel)l  
Newsgroups: rec.radio.amateur.packet  
Subject: Re: Internet => Packet  
Message-ID: <NmPH4B30w165w@stat.com>  
Date: 13 May 93 13:21:34 GMT  
References: <1993May12.213834.28476@hobbes.kzoo.edu>  
Reply-To: david@stat.com (David Dodel)l  
Organization: Stat Gateway Service, WB7TPY  
Lines: 63

k089118@hobbes.kzoo.edu (R. Retzer) writes:

> I am a ham at college without any packet equipment, but (obviously) with  
> Internet access. Is there any gateway for Internet => Packet forwarding, or  
> is it even legal? How about the other way around? I would like to keep in  
> touch with my ham friends who don't have access to the Internet.

How to Use the WB7TPY  
Packet <-> Internet Gateway

First, some brief operational notes:

- (1) Messages must not contain any foul language, or commercial purpose.
- (2) Messages can only be sent to countries that the United States has a third-party agreement. All others will be destroyed.
- (3) Messages from the internet should be less than 5K in length.  
No files should be sent.
- (4) If you have questions, please do not hesitate to contact me either on  
packet radio: WB7TPY@WB7TPY.AZ.USA.NA                    -or-  
Internet        : david@stat.com                           -or-  
Fidonet        : David Dodel @ 1:114/15
- (5) Have fun. Use the gateway as much as you like. That is what it is there for.

-----  
From Internet to Packet  
-----

Send mail to the internet address of:

gate@wb7tpy.ampr.org

The first line of text must contain a full packet address, preceded with the word "Packet:"

For example, mail to my packet address, would have the first line of text;

Packet: wb7tpy@wb7tpy.az.usa.na

-----  
From Packet to Internet  
-----

Send as private mail (never a bulletin) to the packet address of:

gate@wb7tpy.az.usa.na

The first line of text must contain a full domained internet address, proceeded with the word "Internet:"

For example, mail to my internet address, would have the first line of text;

Internet: david@stat.com

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Internet: david@stat.com	FAX: +1 (602) 451-6135
Bitnet: ATW1H@ASUACAD	FidoNet=> 1:114/15
Amateur Packet ax25: wb7tpy@wb7tpy.az.usa.na	

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Date: 17 May 93 15:39:27 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: KA9Q NOS for AT&T 3b2 400  
To: packet-radio@ucsd.edu

HI OM's

is there anybody who have KA9Q NOS (or clone) for AT&T 3b2 model 400?

TNX Karel OK2XTE

-----  
Karel Odehnal OK2XTE  
OK2XTE@OE3XBS.AUT.EU

odenhal@aedi.insa-lyon.fr (to fin of May)  
kodeh@lion.ics.muni.cs



kodeh@sanik.ascs.muni.cs

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Date: Mon, 17 May 1993 18:55:38 GMT  
From: overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!  
math.ohio-state.edu!zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!  
newsrelay.iastate.edu!news.@dog.ee.lbl.gov  
Subject: Mac Packet Modem info...  
To: packet-radio@ucsd.edu

In <jvp.737497665@tools1> jvp@iti.org (Jim Van Peurse) writes:

Just realized that my news reader has a hosed return address if you try  
to auto reply to this message. Please direct e-mail to one of the addresses  
in my signature.

>Just wanted to mention that Savant, the packet radio software mentioned in the  
>article, is also available now! Savant is an AX.25 packet radio communications  
>program written for the Mac. It features a multi-window, multi-connection  
>interface, and follows the standard Mac user interface at all times.

>Stan Horzempa recently did a mini-review of Savant in his Packet Perspectives  
>column in the May 1993 issue of QST. He gave it a GREAT review!

>Let me know if you want more information

>+-----+  
>| Jim Van Peurse - Ham Radio -> KE0PH |  
>| President, CM Technologies Inc. |  
>| Author of Savant and Virtuoso for the Macintosh |  
>| internet - jvp@iastate.edu -or- jvp@tools1.ee.iastate.edu |  
>+-----+

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Date: Sun, 16 May 93 22:07:36 EDT  
From: anomaly.sbs.com!mooch!system@uunet.uu.net  
Subject: PCelm and UUCP  
To: packet-radio@ucsd.edu

I have been using the external mailer PCelm for DOS for my AMPRnet mail.  
That has worked quite well. However recently I decided to try to use  
PCelm for my UUCP mail. I had some problems adapting PCelm.RC (the

startup file) for use with UUCP. I wonder if anyone else is using PCelms for their external mailer with RMAIL? If so, could you please send me your comments or maybe an email copy of your startup file which is configured for use as UUCP rather than amateur radio. Thanks.

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- Christopher Ogren NM1Z           | The politically correct -
- system@mooch.sbs.com           | term for no-codes is   -
- AMPRnet: nm1z@switch.w1cg-9    | "Morsely Challenged".  -
- [44.104.0.2]                   |                          -
- AX25net: NM1Z@KA1RCI.RI.USA.NA |                          -
-----
```

-----  
Date: 15 May 93 09:28:23 EDT  
From: psinntp!arrl.org@uunet.uu.net  
Subject: The Poop on BNC Feedthru Adapters  
To: packet-radio@ucsd.edu

We don't normally use right-angles in the lab, but I just happened to have two of them at home (bit grungy looking but high quality silver plated connectors).

Anyway, below 700 MHz, the return loss is better than 20 dB. Or, more commonly stated, the SWR is below 1.2:1. In my experience, this is better than the performance of crimp type BNC connectors. (Higher frequencies weren't looked at).

Thus, I don't see anything inherently wrong with right angle BNC adapters. Though there are some \*cheap\* adapters and connectors I probably wouldn't use if they were free.

Zack Lau KH6CP/1

Internet: zlau@arrl.org "Working" on 24 GHz SSB/CW gear  
Operating Interests: 10 GHz CW/SSB/FM  
US Mail: c/o ARRL Lab 80/40/20 CW  
225 Main Street Station capability: QRP, 1.8 MHz to 10 GHz  
Newington CT 06111 modes: CW/SSB/FM/packet  
amtor/baudot  
Phone (if you really have to): 203-666-1541

In rec.radio.amateur.packet, jtg0707@uxa.cso.uiuc.edu (Jui Tien) writes:  
>btbg1194@uxa.cso.uiuc.edu (Bradley T Banko) writes:  
>

>> b) a combination of two BNC right-angles \*\*\*  
>  
>> advantages: cheap \$3 each, allows you to turn the antenna up for  
>> operation and down to the \*side\* of the HT for  
>> storing in your backpack, etc. (Yes! they swivel)  
>  
>> disadvantage: adds a bit of horizontal dimension to the HT  
>[stuff deleted.....]  
>  
>This does not work all that well. There is quite a bit of reflection  
>back into the receiver. I stopped using it fearing it might damage the  
>front end.

A front end that is damaged by a poor passive termination is an extremely bad design. Actually, I'd like to see more \*transmitters\* that are immune to poor terminations. After all, forgetting to attach an antenna or having an antenna break isn't exactly a rare event. Power FETs seem to do pretty well in this regard, particularly with well designed power supplies. .

-----  
Date: Mon, 17 May 1993 20:19:14 GMT  
From: agate!howland.reston.ans.net!ux1.cso.uiuc.edu!news.cso.uiuc.edu!  
uxa.cso.uiuc.edu!jtg0707@ames.arpa  
Subject: The Poop on BNC Feedthru Adapters  
To: packet-radio@ucsd.edu

At the suggestion of a few netters, I've ckecked my setup over again with the BNC elbow connector. I still get a very large reflection return when I use the elbow.

It turns out that the BNC elbow I used was partially shorted to the outer connector (17 ohms); I found out \*after\* I took \*everything\* apart.

Since the BNC was new, it never occured to me the connector could be defective, and I was looking for opens rather than shorts.

-----  
Date: Mon, 17 May 1993 17:26:59 GMT  
From: saimiri.primate.wisc.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!  
torn!newshost.uwo.ca!mbramwel.business.uwo.ca!MARK@ames.arpa  
Subject: Using a Kam on a Mac?  
To: packet-radio@ucsd.edu

I would like to know if anyone is using a Kam on a Mac.

I currently use Mac-Kermit, and it works fine. However, I would like to have something that sets the date/time whenever I start.

Under DOS, I have a program called tncinit, and it was in a batch file. tncinit set the date/time for me, then I ran kermit.

Are there any Mac packet programs? I have ftp but I am unsure where to start looking...

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Date: Mon, 17 May 1993 18:57:00 GMT  
From: agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!math.ohio-state.edu!  
zaphod.mps.ohio-state.edu!uwm.edu!ux1.cso.uiuc.edu!newsrelay.iastate.edu!  
news.iastate.edu!vlsi4!jvp@ames.arpa  
Subject: Using a Kam on a Mac?  
To: packet-radio@ucsd.edu

In <MARK.169.737659619@novell.business.uwo.ca> MARK@novell.business.uwo.ca  
(Mark\_Bramwell) writes:

>I would like to know if anyone is using a Kam on a Mac.

>I currently use Mac-Kermit, and it works fine. However, I would like to  
>have something that sets the date/time whenever I start.

>Are there any Mac packet programs? I have ftp but I am unsure where to  
>start looking...

Check out my packet radio program for the Mac called Virtuoso.

The following is a list of some ftp sites where you can find Virtuoso:

ucsd.edu:  
    /hamradio/packet/misc

hpcsos.col.hp.com:  
    /packet/ke0ph

pacific.mps.ohio-state.edu:  
    /public

sics.se:  
    /pub

If you still can't find it or can't get it to work, let me know.

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+-----+
| Jim Van Peursem - Ham Radio -> KE0PH          |
| President, CM Technologies Inc.                |
| Author of Savant and Virtuoso for the Macintosh |
| internet - jvp@iastate.edu -or- jvp@cpre1.ee.iastate.edu |
+-----+
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End of Packet-Radio Digest V93 #138

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